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(54) Liquid jet head substrate, liquid jet head using same and liquid jet apparatus using same

(57) A liquid jet element substrate having a plurality of ejection energy generating elements for generating ejection energy for ejecting liquid, arranged in an array in a direction at predetermined intervals, wherein an interval between the ejection energy generating ele-

ment at an end, in the direction of the array, and the ejection energy generating element adjacent thereto is smaller than an interval between adjacent central ejection energy generating elements.

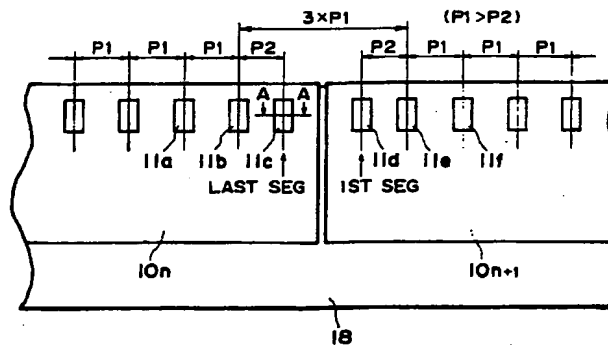


FIG. 1



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EUROPEAN SEARCH REPORT

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EP 95 11 6690

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
P,X	US 5 410 340 A (DRAKE DONALD J ET AL) 25 April 1995	1-9, 11-13	B41J2/05
Y	* abstract *	7,8,10	
	* column 2, line 55 - column 3, line 13 *		
	* column 6, line 39 - column 8, line 22 *		
	* claims; figures 6A,6B,7A,7B *		
Y	US 5 218 754 A (RANGAPPAN ANIKARA) 15 June 1993	7,8,10	
A	* abstract *	1-13	
	* column 3, line 7 - column 4, line 19 *		
	* column 4, line 42 - column 6, line 22 *		
	* figures 9,10 *		
A	US 5 160 403 A (FISHER ALMON P ET AL) 3 November 1992	1-13	
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A	EP 0 376 514 A (XEROX CORP) 4 July 1990	1-13	
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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 January 1997	Examiner Didenot, B
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</p>			

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